

Spray Orchids

Vanda Waipuna var. Kodoma
(The World's Most Honored Vanda)

Talk About Time!

We are pleased to issue this, our 1958-1959 catalogue on Spray Orchids. In it are listed one of the finest selections of spray-type orchids we have ever had the pleasure to offer to you.

Our cover, we call the world's most honored Vanda. Bred in our nurseries by the Kodama Nursery, it is a hybrid between V. Rothschildiana x V. Ellen Noa. A lovely cream color with strawberry red spots. Aside from winning first place in every show we have entered it in, it has the following record:

1. A.M.H.O.S. July, 1954
2. A.M. Second World Orchid Conference
3. Best Vanda Second World Orchid Conference
4. Best Plant in Show second World Orchid Conference
5. A.M.A.O.S. July, 1958
6. A.M. Orchid Digest Corporation July 1958

Certainly, this is a record to be proud of and we point with pride to the fact that it is our own production. We offer two crosses with it as a parent, 8-C-585 and S-C-586.

We call your attention as well to our expanded sections on Dendrobiums, Semi-Terete x Strap Leaf Vandals, as well as other Vandaceous crosses. Whatever your need, you will find spray orchids to suit your purposes in this listing.

I would like to reiterate our policy—Satisfaction Guaranteed! We stand behind every shipment, 100%. If anything goes wrong, just write to us and we will promptly correct it. We can't if we don't know!

We invite your correspondence on all matters. Where ever we can be helpful, we want to. We, not only pride ourselves on our plants but feel our service and ability to advise you correctly give you the complete satisfaction we guarantee.

We know you will receive much pleasure from the plants you select from this list and look forward to sending them to you.

In this, our seventh catalogue, we have tried to list orchids in a clear and culturally valuable manner.

Except where otherwise specified, figures preceding price quotations are pot sizes. The term "log" means a plant growing on a Hawaiian tree fern section.

We try to ship within three days after receipt of any order. Many customers are amazed that an order placed with us is often serviced faster than one placed with a nurseryman nearby. We deliver plants safely to any part of the world wth Guaranteed Satisfaction on a money back policy.

Aloha,

WM. KIRCH

Instructions for Ordering

TERMS—Cash with order, no C.O.D.

DISCOUNTS—We offer quantity discounts. Orders totaling \$99.00 or less are sold at retail list as quoted. Larger orders discounted as follows: \$100.00 to \$249.00 @ 10%; \$250.00 to \$499.00 @ 15%; \$500.00 to \$749.00 @ 20%; \$750.00 to \$999.00 @ 25%; over \$1,000.00 @ 33½%. Discounts apply only to our catalogue stock, and do not apply to special quotations.

SHIPPING—Plants shipped out of pots. Advise if we may substitute size and variety when out of stock. No packing charges.

ORDERING—List the plant name and number. No import permits required for entry into the United States. Foreign countries, check your requirements.

REMEMBER—We Guarantee Satisfaction. All plants are offered subject to prior sale. Wm. Kirch —Orchids, Ltd., in no way guarantees crops from these plants as they go beyond our control. In the event of a claim, our liability is limited to purchase price. This list cancels all previous quotations.

WM. KIRCH - ORCHIDS, LTD. • 732 KAPAHULU AVE. • HONOLULU 16, HAWAII

AERIDES:

A most handsome genus. Erect stems, strap-leaf foliage. Plants grow well in pots, baskets, or naturalized on trees. Pot as for strap-leaf Vandals. Intermediate to warm temperatures.

8-C-356—Jarkianum (Philippines)—Summer to Fall—deep purple red. Many flowers to a spike 6"

8-C-357—Japonicum (Japan)—Dwarf habit. A cute miniature plant. Flowers fragrant, white with red lip, purple ridge and spots. A real gem. 3"

8-C-358—Odoratum (Asia)—Early Summer. Many flowered racemes. Creamy white, shaded pale magenta. Fragrant. Tolerant of cool night temperatures. 6"

AERIDOVANDA:

Hybrids between Aerides and Vandas. These are lovely plants and belong in every collection. Culture as for strap-leaf Vandals. Lovely long spikes.

8-C-359—A. Odoratum x V. Jean Fukudo—Red to dark pink. 1 1/2"

8-C-360—A. Odoratum x V. Rothschildiana—Dark blue to purple. 1 1/2", 2", 3"

8-C-361—A. Lawrenciae x V. Ellen Noa A.M.H.O.S—Large flower—Perfect shape. Salmon, Apricot. 3", 4", 5"

8-C-362—V. Gertrude Miyamoto x A. Crassifolium—Yellow to tan. 1 1/2", 2"

8-C-363—Av. Blue Spur (A. Lawrenciae x V. Coerulea)—Sky Blue—Long spikes. 1 1/2", 2", 3"

8-C-364—V. Gertrude Miyamoto x A. Jarkianum—Very dark purple to bronze. 5", 6"

8-C-365—V. Waipuna white x A. Falcatum alba—Pure white. 1 1/2", 2"

8-C-366—Av. Fragrans x V. Sanderiana—Tan to pink—Very large flower. 1 1/2", 2"

8-C-367—V. Honolulu x A. Quinquevulnerum—Dark pink. 1 1/2", 2"

AERIDES x RENANTHERA:

A new generic combination that should be quite spectacular. Renanthera should add color and branching spikes with size and shape from the Aerides. Culture as for Vandals.

8-C-368—R. Monachica x A. Jarkianum—Burnt orange to red. 1 1/2"

8-C-369—A. Odoratum x R. Monachica—Orange to yellow. 1 1/2", 2", 3"

8-C-370—A. Lawrenciae x R. Brooke Chandler—Dark red. 1 1/2", 2", 3"

8-C-371—A. Lawrence x R. Storiei—Pink to red. 5"

ANGRAECUM:

A beautiful genus from Asia and Africa. Flowers like a star shaped Vanda with a long spur. Culture as for Vandals.

8-C-372—Falcatum (Japan)—One of the loveliest miniature plants known. Myriads of white flowers. 3"

8-C-373—Veitchii (Sesquipedale x Eburneum)—Long spikes of green and white flowers. A wonderful specimen. 5"

8-C-374—Formosanum (Formosa)—Small green and brown flowers. 4"

ANSELLIA:

A very fine genus from Africa. Pot as a Dendrobium and grow in strong light. Very tolerant of dry conditions. The cross we offer is from two outstanding species and should be superior to any species known.

8-C-375—Nilotica x Africana—Dark green to yellow with chocolate spots. Huge sprays well branched. 1 1/2", 2", 3"

ARACHNIS:

A Vandaceous genus from India and Asia. The flowers resemble a giant insect; called the Scorpion Orchid. Grows best in the warm house or in full sun in tropical gardens. Likes to trail on a fence or a trellis.

8-C-376—Flos-Aeris—The brown Scorpion. 18-24" top cuttings

8-C-377—Moschifera—Dark green with chocolate markings. A strong musk scent when in flower. 18-24" top cuttings

ARANDA:

Hybrids between Arachnis and Vanda. Wonderful garden plants. Culture as for Vandals.

8-C-378—A. Maggie Oei x V. Ellen Noa A.M.H.O.S—Lovely yellow to tan. 3", 4", 5"

8-C-379 — <i>A. Moschifera</i> x <i>V. Insignes</i> —Dark red brown.	4", 5"	8-C-393 — <i>Nobile</i> var. <i>Virginale</i> —The pure white form.	5"
8-C-380 — <i>A. Ishbell</i> x <i>V. Suavis</i> —White—purple spots.	5"	8-C-394 — <i>Pierardei</i> (Asia) — Spring — lovely primrose with yellow lip. Very free flowering.	5"
8-C-381 — <i>A. Maggie Oei</i> x <i>V. Honolulu</i> —Beige to pink.	3"	8-C-395 — <i>Phalaenopsis</i> (Queensland)—Selected strains raised from seed. Fall to Winter flowering.	
8-C-382 — <i>A. Maggie Oei</i> x <i>R. Imschootiana</i> —Blood red.	3"		Rose colored 4", 5" Pale purple 4", 5" Very dark purple 4", 5" Pure white 4", 5"

DENDROBIUM SPECIES:

A very large and polymorphic genus distributed over a wide range of the Pacific to Asia. All are easily grown. General requirements are decided periods of growth and rest. Plenty of heat, water and fertilizer when growing; keep cool and dry when dormant. Ample light at all times. Pot in Fir-Bark or Osmunda.

8-C-383 — *Aggregatum* var. *Majus* (India) — Spring—Dwarf habit. Slender drooping spikes of beautiful orange flowers. Give practically no water and 45°-50° night temperature from October to March to flower well.

4"

8-C-384—*Aggregatum* var. *Majus* selected variety—The finest form we have ever seen. Very large flowers. All divisions of one plant.

Small plants on logs

8-C-385—*Dearei* (Philippines) — Lovely white ginger like flowers that last for months. Evergreen foliage.

1½", 4"

8-C-386—*Formosum Giganteum* (Assam)—Foliage covered with black hairs. 2 to 5 large pure white flowers with orange throat. Autumn.

4", 5"

8-C-387—*Forbesii* (New Guinea)—A very rare species of the *Macrophyllum* section. Large white flowers.

5"

8-C-388—*Johnsoniae* (New Guinea) — *Macrophyllum* section. Very rare. Large white flowers. Violet lip.

4"

8-C-389—*Heterocarpum* (Philippines) — Deciduous species. Lovely fragrant yellow flowers in the Autumn. Selected strain raised from seed

5"

8-C-390—*Hilderbrandii* (Burma) — Flowers 2-3 in clusters from the nodes. Pale yellow, orange lip, spring flowering.

4"

8-C-391—*Moschatum Cupreum* (India)—Large flowers. Apricot yellow, lip like a pouch. Spring.

6"

8-C-392—*Nobile* (India)—Of easiest possible culture. Rosy pink. Flowers in two's and three's from the nodes. Spring. Rest dry and cool at night over winter.

5"

8-C-396—*Stratiotes* (Pacific Islands) — One of the most majestic of all the species. White with green horns.

5"

8-C-397—*Superbum* (Philippines) — Pendulant. Large rose colored flowers in Spring. Very fragrant.

5"

8-C-398—*Superbum* var. *Dearei* — Pure white form of the above.

5"

8-C-399—*Taurinum* (Philippines) — A beautiful species. White sepals, black purple lip and petals. A fine strain from seed.

3"

8-C-400—*Wardianum* (Asia) — White with purple lip. Spring. Nobile section.

5"

HAWAIIAN DENDROBIUM HYBRIDS:

These plants are of the easiest possible culture. They do not have long dormant seasons like the species. All are evergreen and have most attractive foliage. As display plants they are unrivaled either for the home or show purposes. If you can grow a Cattleya you can grow these hybrids.

Culture:

They like light! Give as much as you possibly can. Outdoor culture during warm weather is most beneficial. When in active growth water freely, less when dormant. Pot in Fir-Bark or Osmunda. Fertilize regularly during growing season.

We are putting them into sections to help you understand them and select the proper plant for the purpose you have in mind.

I. PHALAENOPSIS SECTION:

These hybrids are basically of the *Dendrobium Phalaenopsis* type. Large, round flowers. Long graceful spikes. They flower primarily in the Fall to Winter season, making a valuable asset for display or cut flowers. Basic color is lavender and we will differentiate only by light, dark,

or rose color. We believe this to be the finest and most complete selection offered anywhere in the world.

8-C-401—**Madam Pompadour** (*Phalaenopsis* x *Louis Bleriot*)—Dark. 4"

8-C-402—**Ruby King** (*Dark Prince* x *Phalaenopsis*)—Very dark. 1½", 2", 3"

8-C-403—**Lady Faye** (*Lady Constance* var. *Carol* x *Lady Hamilton AMHOS*)—Rose. 1½", 2"

8-C-404—**Lady Hamilton** var. *Cavaco* x *Phal.* var. *Dixon A.M.H.O.S.*—Very dark. 3", 4"

8-C-405—**Madam Pompadour AMHOS** x *Lady Hamilton*—Dark. 3", 4"

8-C-406—**Lady Constance** x *Dr. Dulin*—Rose. 1½"

8-C-407—**Anouk** (*Phalaenopsis* x *Madam Pompadour*)—Dark. 3"

8-C-408—*D. Louis Bleriot* (*Superbiens* var. *Superba* x *Phal.*)—Dark. 2", 3"

8-C-409—*D. Louis Bleriot* var. *Seri*—A selected form propagated asexually from one plant. 3", 4"

8-C-410—*Dr. Dulin* x *Louis Bleriot*—Dark. 1½"

8-C-411—**Anouk** x *Lady Constance*—Rose. 1½", 3"

8-C-412—*Colin Potter* x *Lady Hamilton*—Rose. 1½", 3"

8-C-413—*Helen Fukumura* x *Top Hat*—Dark. 1½", 3"

8-C-414—*Lady Hamilton* x *Top Hat*. 1½", 3"

8-C-415—*Lady Hamilton Red Flare* x *Phal. Lyon's*—Light. 1½", 3"

8-C-416—*Lady Hamilton* (*Diamond Head Beauty* x *Phalaenopsis*) 1½", 3"

8-C-417—*Sandy* var. *Bacchus AMHOS* x *Lady Constance*. 1½", 2", 3"

8-C-418—*Lady Lange* x *Madam Pompadour*—Dark. 1½", 2", 3"

8-C-419—*Hawaiian Beauty* (*Lady Hamilton* x *Phalaenopsis*)—Dark. 1½", 2", 3"

8-C-420—*Helen Fukumura* (*Lady Constance* x *Phal.*) 1½", 2", 3"

8-C-421—*Phal. Schroderianum* var. *Ruby* x *Self*—Dark tetraploid strain. 1½", 2", 3"

8-C-422—*Phal. Sch.* var. *Ruby* x *Pamela Kirch*—Rose. 3"

8-C-423—*Louis Bleriot* x *Lady Constance*—Rose. 2", 3"

8-C-424—*Malihini* x *Lady Hamilton AMHOS*—Dark. 1½", 2"

8-C-425—*T. Kodama* x *Lady Hamilton AMHOS*—Dark. 1½", 2"

8-C-426—*Kuakini* x *Lady Hamilton AMHOS*—Rose. 1½", 2"

8-C-427—*Helen Fukumura* x *Phal.* Sch. var. *Ruby*—Dark. 1½", 2"

8-C-428—*Helen Fukumura* x *Phal.* Sch. var. *Ruby*—Dark. 1½", 2"

8-C-429—*Rose Marie* var. *Woodlawn* x *Helen Fukumura*—Dark. 1½", 2"

8-C-430—*Juddhill* x *Lady Hamilton*—Dark. 1½", 2"

8-C-431—*Lady Lang* x *Lady Hamilton*—Dark. 1½", 2"

8-C-432—*Kathleen Kagawa* x *Phal.* dark—Dark. 1½", 2"

8-C-433—*Bernice* x *Lady Hamilton*—Dark. 1½", 2"

8-C-434—*Lim Chong Min* x *Phal.* var. *Shibata*—Rose. 1½", 2"

8-C-435—*Rose Marie* var. *Woodlawn* x *Lady Hamilton AMHOS*—Dark. 1½", 2"

8-C-436—*Lady Hamilton* x *Phal.* Sch. var. *Ruby*—Dark. 1½", 2"

8-C-437—*Valley King* x *Phal.* var. *Shibata*—Rose. 1½", 2"

8-C-438—*May Queen* x *Phal.* var. *Shibata*—Rose. 1½", 2"

8-C-439—*Phal.* var. *Shibata* x *Lady Constance*—Rose. 1½", 2"

8-C-440—*Lady Lang* x *Helen Fukumura*—Dark. 1½", 2"

8-C-441—*Juddhill* x *Phal.* Sch. var. *Ruby*—Dark. 1½", 2"

II. HAWAIIAN CANE TYPE HYBRIDS:

These are larger growing than the Dend. *Phalaenopsis* types. Grow outdoors in full morning sun or slat-house whenever the night temperature does not fall below 45° F. at night. They flower several times a year. Pot in Fir-Bark or Osmunda. They are ideal for outdoor plants in many regions.

8-C-442—*Hula Girl* (*Hawaii Green Gold* x *Undulatum*)—Green to bronze. 1½", 2", 3"

8-C-443—*Agnes Ann* x *Broomfieldii*—Bronze. 3", 4"

8-C-444—*Anzus* x *Broomfieldii*—Green to bronze. 3", 4"

8-C-445—*Pseudo* x *Broomfieldii*—Lavender bronze. 3", 4"

8-C-446—*Anzus* x *Sunset*—Copper tones. 3", 4"

8-C-447—*Caesar* x *May Neal*—Lavender bronze 3", 4"

8-C-448—*Gold Flush* x *Tangerine*—Orange bronze. 3", 4"

8-C-449—*Bernice* x *Schulleri*—Green-yellow. 3", 4"

8-C-450—*Violaceoflavens* x *Schulleri*—Green bronze. 3", 4"

8-C-451—*Sunset* x *Salak*—bronze. 3", 4"

8-C-452—*Hawaii* var. *Green Gold* x *Toftii*—Bronze. 3", 4"

8-C-453—*May Neal* (*Hawaii green gold* x *Schulleri*). 3", 4"

8-C-454—*Agnes Ann* x *Schulleri*. 3", 4"

8-C-455—*Bacchus* x *Tokai* var. *Woodlawn*. 4"

8-C-456—*May Neal* var. *Duke AMHOS* x *Broomfieldii*—Green to bronze. 4"

8-C-457—*Caesar white* x *Grantii*—White. 4"

8-C-458—*Schulleri* x *Thomas Hong*—Green. 4"

8-C-459—*Gouldii* x *Veratrifolium*—Blue. 4"

8-C-460—*Aileen Lang* x *Gouldii Acutum*—Dark purple to blue. 4"

8-C-461—*Hawaii Nui* x *Broomfieldii*—Lavender bronze. 4"

8-C-462—*Cartwheel* x *Schulleri*—Lavender to bronze. 4"

8-C-463—*Schulleri* x *Schulleri Thomas*—Dark green. 4"

8-C-464—*Pamela Kirch* x *Schulleri*—Green to bronze. 4"

8-C-465—*Pamela Kirch* x *Broomfieldii*—Lavender bronze. 4"

8-C-466—*Bacchus* x *Gouldii Acutum*—Blue to dark purple. 4"

8-C-467—*Hawaii Nui* x *Taurinum*—Dark Lavender. 4"

8-C-468—*Bali* x *T. Shioi*—Lavender. 4"

8-C-469—*Caesar* (*Phal.* x *Stratiotes*)—Lavender. 2", 3", 4"

8-C-470—*Gold Flush* (*May Neal* x *Shibata*). 4"

8-C-471—*Salak* x *Shibata*—Green to bronze. 4"

8-C-472—*Thomas Hong* x *Tokai* var. *Tenny*—Dark green. 2", 4"

8-C-473—*Prince Akihito* (*Gouldii* x *May Neal*)—Bronze to red. 4"

8-C-474—*May Neal* x *T. Shioi*—Lavender bronze. 4"

8-C-475—*Strattokai* x *Schulleri*—Dark green. 3", 4"

8-C-476—*Malihini* (*Taurinum* x *Caesar*)—Dark purple. 4"

8-C-477—*Dr. Dulin* x *T. Shioi*—Dark lavender. 2", 3"

8-C-478—*Caesar* x *Dr. Dulin*. 3"

III. DENDROBIUM MACROPHYLLUM SECTION:

About two years ago we introduced Dend. New Guinea. This hybrid is typical of this section. It was a sensation! Many of you no doubt own a plant of it. Last year, we introduced Dend. Midnight. It too, was accepted with open hands. We strongly recommend this section to you. Evergreen plants. Culture as for Cattleyas.

8-C-479—*New Guinea* x *Thomas Hong*—Dark green. 1½", 2"

8-C-480—*New Guinea* x *Agnes Ann*—Yellow to green. 1½"

8-C-481—*Marguerite Ashford* (*Stratiotes* x *Macrophyllum giganteum*)—White, flushed green. 1½", 2", 3", 4"

8-C-482—*Kona Mc* x *Shibata* var. *Woodlawn*—Large green. 1½", 2"

8-C-483—*Kona Mc* x *Alice Spaulding*—Yellow. 1½", 2"

8-C-484—*Kona Mc* x *McNeil*—Yellow. 1½", 2"

8-C-485—*New Guinea* x *Johnsoniae*—White Blue lip. 1½"

8-C-486—*New Guinea* x *Formosum giganteum*—White. 1½"

IV. DENDROBIUM NOBILE SECTION

These crosses have been bred for freedom of flowering without the necessity to subject them to severe drying and hardening. Spring flowering—grow with Cattleyas.

8-C-487—*Schneiderianum* x *49'er*—White, dark, purple lip. 3", 4"

C-8-488—*June Bride* x *Thwaitesiae*—Bronze. 1½", 2"

8-C-489—Plumptonense (Cybele x Nobile)—
Lavender, large size. 5"

8-C-490—Ainsworthii (Aureum x Nobile.) 5"

8-C-491—Montrose (Ainsworthii x Thwaitesiae)
—Lavender. 5"

V. DENDROBIUM DEAREI TYPE

HYBRIDS:

These are among the most beautiful of all orchids. Lovely evergreen plants, flowers in cluster that look like giant white ginger blossoms. They last on the plants for months. Culture as for Cattleyas.

8-C-492—Thomas Warne (Sanderae Major x Schutzei). 2"

8-C-493—Jane Warne x Infundibulum. 4"

8-C-494—Sanderae (species) — White lavender lip. On logs

8-C-495—Sanderae var. Surigadense — Lovely ruffled petals. 4"

8-C-496—Sanderae var. Major—Largest flower. 5"

8-C-497—Schutzei—White green throat. 4", 5"

GRAMMATOPHYLLUM:

A large genus of orchids allied to Cymbidium widely found over the Pacific region. Pot in Fir-Bark or Osmunda. Grow warm and dry.

8-C-498—Papuanum (New Guinea)—A giant species. Large spotted flowers. 4", 5"

8-C-499—Scriptum var. Tigrinum—Yellow, spotted black. 4", 5", 6"

PHALAENOPSIS:

Among the most beautiful of all spray orchids. They prefer 50% shade and should never get bone dry. Pot in Fir-Bark or Osmunda. Do not allow water to settle in the leaf crown. Fertilize heavily. Night temperature of 58° to 60° F.

We list three sections: (1) White crosses, (2) Pink crosses, (3) Novelty crosses. As all hybrids have been bred from a few species, we will not further describe them except for the novelty group.

WHITE CROSSES:

8-C-498—Paul Larsen x Doris.	2", 3"
8-C-499—R. H. Montgomery x Innocence.	2"
8-C-500—Allure x R. H. Montgomery.	2"
8-C-501—Doris x San Marino.	1 1/2", 2"
8-C-502—San Marino x San Marino.	1 1/2", 2"
8-C-503—Barbara Kirch x San Marino.	1 1/2", 2", 3", 4"
8-C-504—Avalanche x San Marino.	4"
8-C-505—Doris Tetraploid x Doris.	4"
8-C-506—Hi Ho x Doris.	3"

PINK CROSSES:

8-C-507—Schilleriana x Purple Rosette.	4", 5"
8-C-508—Doris x Pinkie.	2", 3"
8-C-509—Diamond Head x Pink Dawn.	2"
8-C-510—Doris x Schilleriana.	1 1/2", 2"
8-C-511—(P44 x J. L. Kingsbury) x Mary Manda	3"

NOVELTY TYPES:

8-C-512—Luddemaniana x Amabilis var. Lily Koster —White, spotted pink.	2"
8-C-513—Rosea x Luddemaniana —Pink, spotted dark pink.	2"
8-C-514—Luddemaniana (Species) —Pink, barred brown.	4"
8-C-515—Rosea (Species) —Pink, Red lip.	4"

RENANTHERA:

These are among the most beautiful of all spray orchids. Flowers are long lasting and most spectacular either as cut flowers or display plants. Culture as for Vandals.

8-C-516—Storiei (Philippines) —Blood Red. Flowering size	
8-C-517—Monachica (Philippines) —Orange, spotted Red, Dwarf.	1 1/2", 2", 3", 4"
8-C-518—Brookie Chandler (Monachica x Storiei) —Dark Red.	2", 3"
8-C-519—Tom Thumb (Monachica x Imschootiana) —Red.	2", 3", 4"

8-C-520—*R. Storiei* x *Imschootiana*—Fire-Engine Red.
1½", 2", 3", 4"

8-C-521—*Brookie Chandler* x *R. Storiei*—Dark Red.
1½", 2"

8-C-522—*Monachica* x *Coccinii*—Dark Orange to Red.
2", 3", 4"

8-C-535—*Van. Lissochiloides* x *V. Mary Foster*—Dark Brown.
4", 5"

8-C-536—*Van. Lissochiloides* x *V. Trisher*—Red brown.
1½", 2", 3", 4"

8-C-537—*Juliet Kimbal* (*Van. Gigantea* x *V. Sanderiana*)—Yellow to cream.
3", 4", 5"

8-C-538—*Van. Colombo* x *Sanderiana*—Dark yellow.
1½", 2"

8-C-539—*V. Trisher* x *Van. Gigantea*—Red bronze.
1½", 2", 3", 4"

8-C-540—*V. Ellen Noa* x *Van. Gigantea*—Dark yellow.
3", 4", 5", 6"

8-C-541—*V. Manila* x *Van. Gigantea*—Dark pink.
2", 3"

RENANTANDA:

Hybrids between Vanda and Renanthera. Flowers are long lasting and brilliant in color. Very large sprays. Culture as for Vandatas.

8-C-523—*R. Storiei* x *V. Dennisoniana*—Orange to light Red.
2", 3", 4"

8-C-524—*V. Honolulu Pink* x *R. Storiei*—Dark Red.
1½", 2", 3"

8-C-525—*V. Dearei* x *R. Storiei*—Dark Orange.
4"

8-C-526—*V. Rothschildiana pink* x *R. Storiei*—Dark Red.
1½"

8-C-527—*Jack Warne* (*V. Sanderiana* x *R. Storiei*)—1½", 2"

TRICOVANDA:

Hybrids between Vanda and Trichoglottis. The one we list is a very famous one and a beautiful pot plant. Culture as for a Vanda.

8-C-542—*Ulaula*—Bright red.
2", 3", 4"

RENANOPSIS:

Hybrids between Renanthera and Vandopsis. Wonderful exhibition plants. Culture as for Vandatas.

8-C-528—*R. Storiei* x *Renan. Lena Rowold*—Bright Red.
1½", 2", 3"

8-C-529—*V. Lissochiloides* x *Renan. Lena Rowold*—Orange to light Red, spotted.
3", 4", 5"

8-C-530—*Lena Rowold* (*V. Lissochiloides* x *R. Storiei*)—Bright Red.
4", 5"

8-C-531—*R. Storiei* x *V. Gigantea*—Large Red Flower.
4"

8-C-532—*V. Afterglow* x *Renan. Lena Rowold*—Copper Red.
1½", 2", 3"

VANDOPSIS:

Closely allied to Vandatas. Culture the same. A fine genus, but needs room to grow. Spectacular when in flower.

8-C-543—*Lowii (Indonesia)*—One of the rarest species in cultivation. Long chain like spikes of red and brown flowers. The first two flowers on the spike being brilliant yellow.
10"

8-C-544—*Gigantea (Burma)*—A wonderful species that has the heaviest texture in the flowers of any orchid we have ever seen. Cream-yellow. Purple spots. Ours are seedlings raised from a selected plant.
1½", 2"

VANDA HYBRIDS:

These plants have over the years become a most popular orchid. Hawaii is their home, and it is here that the majority of breeding has been done. At Wm. Kirch—Orchids, Ltd., we have over the years become most selective in our breeding in this genus. We believe the crosses offered here represent the best money can buy.

There are four major groups: I. Strap Leaf Types, II. Semi-Terete x Strap-Leaf Types, III. Semi-Terete, IV. Terete. Groups I and II are suitable for glasshouse culture. Groups III and IV for outdoor culture in regions where the minimum

OPISANDA:

Hybrids between Vandopsis and Vanda. These are wonderful plants and reduced in size by Vanda influence to make them suitable to glass culture. Grow as a Vanda.

8-C-533—*V. Henrietta Ho* x *Van. Lissochiloides*—Bronze.
2"

8-C-534—*V. Rothschildiana* x *V. Gigantea*—Blue.
2"

temperature does not fall below 50° F. at night. Groups III and IV are not suitable to glass-house culture.

CULTURE:

Pot in Fir-Bark or Tree-Fern. Osmunda is not recommended, but can be used. We believe Fir-Bark offers the best media for the amateur. Use graded pieces as to size of plant. Fine; for small seedlings to pieces the size of a small orange for mature plants. They need a very well drained media.

Water frequently. If potted right, they should dry quickly. Water as often as they get dry.

Vandas are heavy feeders and should be fertilized regularly. Use any good fertilizer recommended for orchids.

Light should be as strong as possible without burning the foliage. Wherever possible, we recommend moving the plants outdoors in full morning sun during all periods of good weather. This indoor-outdoor concept of culture will produce stronger plants and more frequent flowering.

I. STRAP-LEAF TYPES:

8-C-545—*Sanderiana* (Species)—Selected strains from seed. Dark types, pink and brown.
4", 5", 6"

8-C-546—*Harvest Time x Sanderiana*—Yellow to tan.
1 1/2"

8-C-547—*Sanderiana x Hindsii*—Cream to yellow.
1 1/2"

8-C-548—*Ohuohu x Coerulescens*—Dark blue.
1 1/2"

8-C-549—*Gertrude Miyamoto x Ellen Noa AMHOS*—Dark yellow.
1 1/2"

8-C-550—*Sanderiana x Jennie Hashimoto*—Dark pink.
1 1/2"

8-C-551—*Chimey Walker x Manila*—Pink.
2"

8-C-552—*Alice Fukunaga (Mem. T. Iwasaki x Sanderiana)*—Yellow
4", 5"

8-C-553—*Betsy Sumner AMHOS x Sanderiana*—Pink.
4", 5"

8-C-554—*Piha Moon (Manila x Ohuohu*—Dark pink.
4", 5", 6"

8-C-555—*Jane Shimamoto (Mary Foster x Sanderiana)*—Red brown.
4", 5", 6"

8-C-556—*Kohala (Carole Hirano x Sanderiana)*—Pink to blue.
4"

8-C-557—*Laukapu (Burgeffii x Sanderiana)*—Dark pink, spotted.
4", 5", 6"

8-C-558—*Mabelmae Kamahale (Ohuohu x Sanderiana)*—Like Sanderiana, flowers all year.
3", 4", 5", 6"

8-C-559—*Ellen Noa x Mary Foster*—Dark yellow to brown.
5", 6"

8-C-560—*Afterglow (Insignis x Sanderiana)*—Copper red.
4", 5", 6"

8-C-561—*lolani x Rothschildiana*—Dark red to purple.
4"

8-C-562—*Tita Marks x Sanderiana*—Blue to pink.
5", 6"

8-C-563—*Rothschildiana x Ohuohu*—Blue to pink.
5"

8-C-564—*Rothschildiana (Coerulea x Sanderiana)*—Blue.
2", 3", 4", 5", 6"

8-C-565—*Ilma Anderson (Lester McCoy x Sanderiana)*—Blue to pink.
5", 6"

8-C-566—*Clara S. Fisher (Tatzeri x Sanderiana)*—Pink to brown.
4", 5", 6"

8-C-567—*Ohuohu (C. S. Fisher x Sanderiana)*—Like Sanderiana.
4", 5", 6", 7"

8-C-568—*Admiral Radford x Henrietta Ho*—Red-brown.
3", 4", 5"

8-C-569—*Eisenhower (Ellen Noa x Sanderiana)*—Buff to yellow.
5", 6"

8-C-570—*Lynn Ota (Henrietta Ho x Sanderiana)*—Peach to buff.
4", 5", 6"

8-C-571—*Nancy Gross (Mem. G. Tanaka x Manila)*—Dark pink.
4", 5", 6"

8-C-572—*Bill Sutton (Manila x Sanderiana)*—Pink.
4", 5", 6"

8-C-573—*Jean Fukuda (Merrilli x Manila)*—Red pink.
7"

8-C-574—*Lamellata x Sanderiana*—Pink and brown.
4", 5"

8-C-575—*Charlana (Charlesworthii x Sanderiana)*—Pink.
5", 6"

8-C-576—*Manila (Luzonica x Sanderiana)*—Light pink.
6", 7"

8-C-577—*Trimerill (Tricolor x Merrillii)*—Chinese red.
7"

8-C-578—*Ernest Fujinaga (Caroline Robinson x Sanderiana)*—Green to blue.
5", 6", 7"

8-C-579—*Eisenhower x Harvest Time*—Dark yellow.
1 1/2"

8-C-580—*Bill Sutton x Jennie Hashimoto*—Dark pink.
1 1/2"

8-C-581—*V. Frank Scudder x Roeblingiana*—Blue to purple.
1 1/2"

8-C-582—*V. Honolulu x Roeblingiana*—Pink-brown.
1 1/2"

8-C-583—V. <i>Waipuna</i> x <i>Lamellata</i> —Cream and brown.	1 1/2"	8-C-604—Princess Beatrix (<i>Coerulea</i> x <i>Joaquim</i>)—Blue.	18" top cuttings
8-C-584—V. <i>Coerulescens</i> x <i>Sanderiana</i> —Dark blue.	1 1/2", 2", 3"	8-C-605—Princess Elizabeth (<i>Hookeriana</i> x <i>Sanderiana</i>)—Dark pink.	18" top cuttings
8-C-585—V. <i>Ernest Fujinaga</i> x <i>Waipuna</i> var. <i>Kodama AM</i> —Green to cream.	1 1/2", 2"	8-C-606—Merv. L. <i>Velthuis</i> (<i>Sanderiana</i> x <i>Joaquim</i>)—Dark pink.	18" top cuttings
8-C-586—V. <i>Faye</i> x <i>Waipuna</i> var. <i>Kodama AM</i> —White to yellow.	1 1/2", 2"	8-C-607—Colorful var. Perfection (<i>Insignis</i> x <i>Joaquim</i>)	12" top cuttings
		8-C-608—Emma Van Deventer tetraploid (<i>Tricolor</i> x <i>Teres Andersonii</i>)—Pink, spotted.	7"
		8-C-609—Maurice Restrepo (<i>Teres</i> x <i>Sanderiana</i>)—Pale pink.	4", 5"
		8-C-610—Emily Notley x <i>Teres Andersonii</i> —Dark pink.	4"
		8-C-611—Tomas Filipe Camacho (<i>Flammerolle</i> x <i>Teres</i>)—Pink to blue.	6"
		8-C-612—Amelia Noa (<i>Teres</i> x <i>Dearei</i>)—Cream to white.	7"

II. SEMI-TERETE x STRAP-LEAF TYPES:

8-C-587—Nellie Morley (<i>Sanderiana</i> x <i>Emma Van Deventer tetraploid</i>)—Strawberry pink.	1 1/2", 2", 3", 4", 5"
8-C-588—Walter Oumae (Merv. L. <i>Velthuis</i> tetraploid x <i>Sanderiana Fireball AMHOS</i>)—Dark pink.	2", 3"
8-C-589—Maurice Restrepo tetraploid x <i>Jennie Hashimoto</i> —Dark pink.	3", 4"
8-C-590—Emma Van Deventer tetraploid x <i>Ohu-ohu</i> —Pink and brown.	1 1/2"
8-C-591—Colorsan x <i>Sanderiana</i> —Copper to peach.	1 1/2"
8-C-592—Merv. L. <i>Velthuis</i> tetraploid x <i>Ohu-ohu</i> —Pink, spotted.	3", 4"
8-C-593—Merv. L. <i>Velthuis</i> tetraploid x <i>Tatzeri</i> —Pink, spotted.	3", 4", 5"
8-C-594—Merv. L. <i>Velthuis</i> tetraploid x <i>Onomea</i> —Pink to blue.	2"
8-C-595—Merv. L. <i>Velthuis</i> x <i>Kilohana</i> —Pink to blue.	1 1/2"
8-C-596—Ellen Noa tetraploid x <i>Nellie Morley</i> —Copper colored.	1 1/2"
8-C-597—Noel x <i>Sanderiana</i> —Red pink.	1 1/2"
8-C-598—Maurice Restrepo tetraploid x <i>Sanderiana</i> —Blush pink.	1/2"
8-C-599—Nellie Morley AMHOS x <i>Sanderiana</i> dark—Red-pink.	1 1/2"
8-C-600—Ellen Noa tetraploid x <i>Josephine</i> —White-yellow.	1 1/2"
8-C-601—Burtat x <i>Hookeriana</i> —Dark pink, spotted.	1 1/2"
8-C-602—Leilani (<i>Nora Potter</i> x <i>Sanderiana</i>)—Blue-pink.	1 1/2", 2"

III. SEMI-TERETE TYPES:

8-C-603—Kobber Kane (<i>Joaquim</i> x <i>Spatulata</i>)—Cream-yellow.	18" top cuttings
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IV. TERETE TYPES:

8-C-613—Poepoe (<i>Cooperii</i> var. <i>Maui</i> x <i>Teres gigantea</i>)—Pale pink.	18" top cuttings
8-C-614—V. Agnes Joaquim (<i>Hookeriana</i> x <i>Teres</i>)—Mauve.	18" top cuttings
8-C-615—Teres var. <i>gigantea</i> —Pale pink.	18" top cuttings
8-C-616—Teres var. <i>Andersonii</i> —Dark pink.	18" top cuttings
8-C-617—Teres var. <i>Candida</i> —Pure white.	18" top cuttings
8-C-618—Amy (<i>Tricuspidata</i> x <i>Hookeriana</i>)—Lavender pink.	18" top cuttings
8-C-619—Polyploid forms Agnes Joaquim — These are without doubt the very finest forms of terete Vandas in existence. Size is twice that of the normal Agnes Joaquim, texture, very heavy, colors, much improved. Our stock is now adequate to offer them at these popular prices.	4", 18" top cuttings

HAWAIIAN ANTHURIUM HYBRIDS:

Excellent subject to grow along with orchids. In tropical regions they make wonderful garden plants. Flowers last an exceptionally long time as cut flowers. **We cannot ship to California.**

CULTURE:

They require 50% shade—foliage and flowers burn in strong light. Keep moist at all times and water heavily. Humidity should never be below

Wm Kirch • orchids, ltd.

UNITED STATES Price List for 1958-1959 Catalog (Prepaid by Airmail)

Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price
8-C-492	2"	3.50	8-C-510	1½"	1.75	8-C-528	1½"	1.75	8-C-544	1½"	1.75	8-C-564	2"	2.50	8-C-580	1½"	1.75
8-C-493	4"	8.50		2"	3.00		3"	6.00		2"	3.00		3"	4.00		2"	3.50
8-C-494	logs	7.50	8-C-511	3"	4.00	8-C-529	3"	6.00	8-C-545	4"	7.50		4"	6.50	8-C-581	1½"	1.25
8-C-495	4"	12.50	8-C-512	2"	3.50		4"	8.50		5"	10.00		5"	10.00	8-C-582	1½"	1.25
8-C-496	5"	25.00	8-C-513	2"	3.50		5"	12.50	8-C-546	1½"	1.75	8-C-565	5"	10.00	8-C-583	1½"	1.25
8-C-497	4"	10.00	8-C-514	4"	8.50	8-C-530	4"	7.50	8-C-547	1½"	1.50	8-C-566	4"	5.00	8-C-584	1½"	1.50
	5"	12.50	8-C-515	4"	8.50		5"	12.50		5"	7.50		6"	12.50	8-C-585	2"	2.00
8-C-498	4"	10.00	Flowering 8-C-516 Size			8-C-532	1½"	1.75	8-C-549	1½"	1.75	8-C-567	4"	5.00	8-C-586	2"	3.50
	5"	15.00					2"	3.50		5"	1.75		5"	7.50	8-C-587	1½"	2.00
8-C-499	4"	7.50	8-C-517	1½"	1.75		3"	6.00	8-C-550	1½"	1.75		6"	10.00	8-C-588	2"	3.50
	5"	10.00		2"	3.00	8-C-533	2"	3.00		2"	2.50		7"	12.50	8-C-589	1½"	1.50
	6"	12.50		3"	6.00		4"	10.00	8-C-552	4"	7.50	8-C-568	3"	4.00	8-C-590	4"	7.50
8-C-500	2"	2.50	8-C-518	2"	3.00	8-C-535	4"	7.50		5"	10.00		4"	7.50	8-C-591	3"	5.00
	3"	4.00		3"	5.00		5"	12.50		5"	10.00		5"	10.00	8-C-592	2"	3.00
8-C-501	2½"	1.50	8-C-520	1½"	1.75	8-C-536	1½"	1.75	8-C-554	4"	7.50	8-C-570	4"	7.50	8-C-593	3"	5.00
	2"	2.50		2"	3.00		3"	5.00		5"	10.00		5"	10.00	8-C-594	2"	3.00
8-C-502	1½"	1.50		3"	6.00	8-C-537	3"	5.00	8-C-555	4"	7.50	8-C-571	4"	6.50	8-C-595	1½"	1.75
	2"	2.50		4"	7.50		4"	7.50		5"	10.00		5"	7.50	8-C-596	4"	7.50
8-C-503	1½"	1.50	8-C-521	1½"	1.75	8-C-538	1½"	1.75	8-C-556	4"	7.50	8-C-572	4"	7.50	8-C-597	3"	5.00
	2"	2.50		2"	3.00		2"	3.00	8-C-557	4"	5.00		5"	10.00	8-C-598	2"	3.00
	3"	3.50	8-C-522	2"	3.00	8-C-539	1½"	1.75		5"	7.50		6"	12.50	8-C-599	1½"	1.75
	4"	5.00		3"	6.00		2"	3.50	8-C-558	3"	5.00	8-C-573	7"	10.00	8-C-600	1½"	2.50
8-C-504	4"	5.00	8-C-523	2"	3.50	8-C-540	3"	5.00		4"	7.50	8-C-574	4"	5.00	8-C-601	1½"	2.50
	3"	6.00		4"	8.50		4"	7.50		5"	10.00		5"	7.50	8-C-602	2"	3.00
8-C-505	4"	7.50		4"	8.50		5"	12.50	8-C-559	5"	7.50	8-C-575	5"	7.50	8-C-603	1½"	1.25
8-C-506	3"	3.50	8-C-524	1½"	1.75		6"	15.00		6"	10.00	8-C-576	6"	10.00	8-C-604	1½"	1.25
	2"	3.50		2"	3.50	8-C-541	2"	3.50	8-C-560	4"	7.50		7"	12.50	8-C-605	1½"	1.25
8-C-507	4"	5.00		3"	6.00		3"	5.00		5"	10.00	8-C-577	7"	10.00	8-C-606	1½"	1.25
	5"	8.50	8-C-525	4"	8.50					6"	12.50				8-C-607	12"TC	15.00
8-C-508	2"	3.00	8-C-526	1½"	1.75	8-C-542	2"	3.50	8-C-561	4"	6.50	8-C-578	5"	8.50	8-C-599	1½"	2.50
	3"	4.00					3"	6.00	8-C-562	5"	10.00		6"	10.00	8-C-608	7"	35.00
8-C-509	2"	3.00	8-C-527	1½"	1.75	8-C-543	10"	100.00	8-C-563	5"	10.00	8-C-579	1½"	1.50	8-C-601	1½"	1.50

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Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	Number	Size	Price	
8-C-356	6"	15.00	8-C-375	1½"	1.75	Rose color	4"	5.00	8-C-413	1½"	1.75	8-C-430	1½"	1.50	8-C-448	3"	3.50	
				2"	3.00		5"	7.50		2"	3.00		4"	5.00	8-C-471	4"	5.00	
8-C-357	3"	7.50		3"	5.00	dark purple	4"	8.50	8-C-414	1½"	1.75	8-C-431	1½"	1.50	8-C-449	3"	3.50	
8-C-358	6"	7.50	8-C-376	18-24"	10.00		5"	10.00		3"	5.00		2"	3.00	8-C-472	3"	3.50	
8-C-359	1½"	1.75		TC		pure white	4"	10.00	8-C-415	1½"	1.50	8-C-432	1½"	1.50	8-C-450	3"	3.50	
8-C-360	1½"	1.75	8-C-377	18-24"	10.00		5"	12.50		3"	4.00		2"	3.00	8-C-473	4"	5.00	
	2"	3.00		TC					8-C-396	5"	20.00	8-C-416	1½"	1.75	8-C-433	1½"	1.50	
	3"	5.00	8-C-378	3"	5.00					3"	5.00		2"	3.00	8-C-451	3"	3.50	
8-C-361	3"	5.00	8-C-397	5"	7.50	8-C-417	1½"	1.50	8-C-434	1½"	1.50			4"	5.00	8-C-476	4"	5.00
	4"	7.50					2"	3.00		2"	3.00			3"	3.50	8-C-477	2"	2.50
	5"	12.50	8-C-398	5"	10.00				8-C-418	1½"	1.50	8-C-435	1½"	1.75			3"	3.50
8-C-362	1½"	1.75	8-C-379	4"	7.50	8-C-399	3"	5.00		2"	3.00		2"	3.50	8-C-453	3"	3.50	
	2"	3.00	8-C-380	5"	12.50	8-C-400	5"	8.50	8-C-419	1½"	1.75	8-C-436	1½"	1.75	8-C-478	3"	3.50	
8-C-363	1½"	1.75	8-C-401	4"	7.50	8-C-401	4"	7.50		2"	3.50		2"	3.50	8-C-479	1½"	1.75	
	2"	3.00	8-C-381	3"	5.00	8-C-402	1½"	2.00	8-C-419	1½"	1.75	8-C-437	1½"	1.50	8-C-454	3"	3.50	
	3"	5.00	8-C-382	3"	5.00				2"	3.00		2"	3.00	8-C-455	4"	5.00		
8-C-364	5"	12.50	8-C-383	4"	7.50	8-C-403	1½"	1.75	8-C-420	1½"	1.50	8-C-438	1½"	1.50	8-C-480	1½"	1.75	
	6"	15.00	8-C-384	logs	12.50	8-C-403	1½"	1.75		2"	3.50		2"	3.50	8-C-481	1½"	1.75	
8-C-365	1½"	1.75	8-C-385	1½"	2.00	8-C-404	3"	5.00	8-C-421	1½"	1.75	8-C-439	1½"	1.50	8-C-456	4"	5.00	
	2"	3.00		4"	10.00				2"	3.50		2"	3.00	8-C-457	4"	5.00		
8-C-366	1½"	1.75	8-C-386	4"	10.00	8-C-405	3"	5.00	8-C-422	3"	4.00	8-C-440	1½"	1.50	8-C-458	4"	5.00	
	2"	3.00		5"	12.50				3"	5.00		2"	3.00	8-C-459	4"	5.00		
8-C-367	1½"	1.75	8-C-387	5"	25.00	8-C-405	3"	5.00	8-C-423	2"	3.00	8-C-441	1½"	1.75	8-C-460	4"	5.00	
	2"	3.00	8-C-388	4"	20.00	8-C-406	1½"	1.75		3"	4.00		2"	3.50	8-C-483	1½"	2.00	
8-C-368	1½"	1.75	8-C-389	5"	10.00	8-C-407	3"	5.00	8-C-424	1½"	1.75	8-C-442	1½"	1.50	8-C-461	4"	5.00	
8-C-369	1½"	1.75	8-C-390	4"	10.00	8-C-408	2"	3.00		2"	3.00		2"	3.00	8-C-462	4"	5.00	
	2"	3.00		3"	5.00				3"	5.00		3"	4.00	8-C-463	4"	5.00		
8-C-370	1½"	1.75	8-C-391	6"	10.00	8-C-409	3"	7.50	8-C-425	1½"	1.75	8-C-443	3"	3.50	8-C-464	4"	5.00	
	2"	3.00		4"	10.00				2"	3.50		4"	5.00	8-C-465	4"	5.00		
	3"	5.00	8-C-392	5"	6.50	8-C-409	3"	7.50	8-C-426	1½"	1.50	8-C-444	3"	3.50	8-C-466	4"	5.00	
8-C-371	5"	15.00	8-C-394	5"	7.50	8-C-411	1½"	1.50	8-C-427	1½"	1.75	8-C-445	3"	3.50	8-C-467	4"	5.00	
8-C-372	3"	8.50	8-C-395	pale purple	4"	5.00				2"	3.00		4"	5.00	8-C-468	4"	5.00	
8-C-373	5"	15.00				8-C-412	1½"	1.50	8-C-429	1½"	1.75	8-C-447	3"	3.50	8-C-469	2"	2.50	
8-C-374	4"	8.50					3"	4.00		2"	3.50		4"	5.00	8-C-470	3"	3.50	
														8-C-471	5"	10.00		

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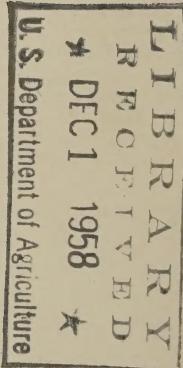
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